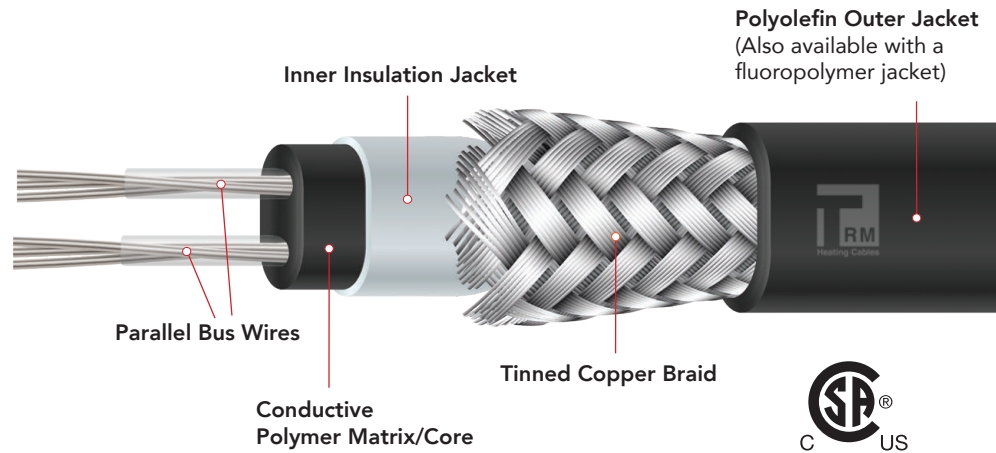


## KEY FEATURES

- ✓ WIDE RANGE OF HEAT TRACE APPLICATIONS
- ✓ CUT TO LENGTH
- ✓ FLEXIBLE AND CAN BE OVERLAPPED
- ✓ LOW OPERATING AND INSTALLED COSTS



## DESCRIPTION

TRM Self Regulating heating cable is ideal for keeping metal and plastic pipes warm, in commercial, industrial, and residential applications.

The semi-conductive core regulates its heat output based on the surrounding temperature, and can vary its heat output along the cable's entire length, saving energy and eliminating hot spots along the pipe.

Parallel construction of SR cable means it can be cut to length in the field, overlapped on valves and flanges, and installed according to site needs.

TRM's SR cable is suitable in applications such as freeze protection, temperature maintenance, sprinkler tracing, roof

and gutter deicing, heat loss replacement, and frost heave prevention.

The cable can also be utilized for industrial applications, such as cooling towers, food processing, water treatment, tanks and vessel heating.

SR cable is a cost effective solution for most heat tracing applications, with a range of product choices that can be designed to match your project's requirements.

A complete range of accessories are available to complement our SR cable, including termination and end seal kits, installation clips and hangers, as well as a wide range of control and sensing options.

## TECHNICAL SPECIFICATIONS

<b>Cable Construction</b>	Self regulating insulated core, woven tinned copper braid, with a Polyolefin outer jacket. <i>Also available with a Fluoropolymer outer jacket for tougher applications</i>
<b>Voltage</b>	120V, 208-277V
<b>Wattage per foot</b>	5 and 8 are standard <i>Contact TRM for availability in other references, 3 up to 12 watts per foot</i>
<b>Max maintain temp</b>	65C (150F)
<b>Max exposure temp (Power Off)</b>	85C (185F)
<b>Bus Wires</b>	16 AWG



## MAXIMUM CIRCUIT LENGTH

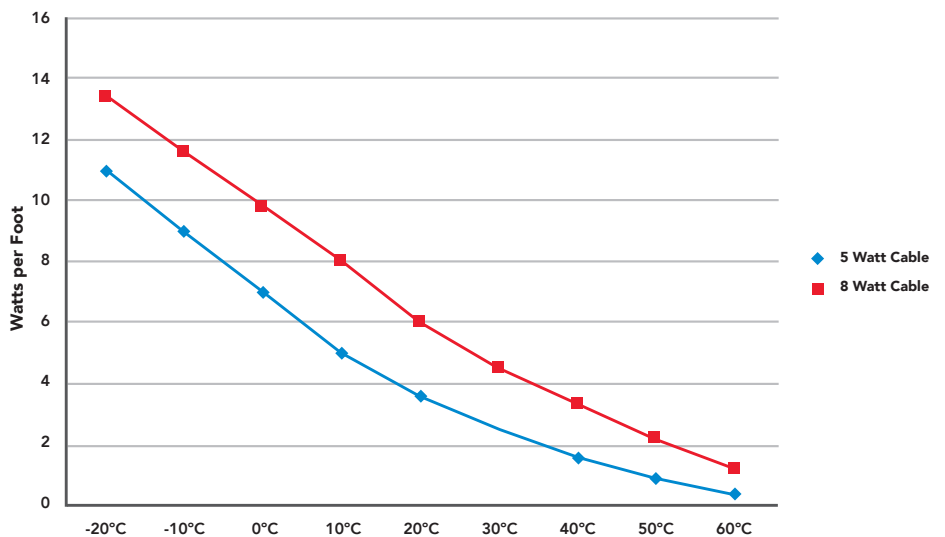
CABLE SELECTION	START-UP TEMPERATURE		120V				240V			
			BREAKER SIZES							
			F	C	15A	20A	30A	40A	15A	20A
TRM SR BR 5W	50	10	225	265	265	265	450	530	530	530
	32	0	225	265	265	265	450	530	530	530
	14	-10	180	235	265	265	360	470	530	530
	-22	-30	125	165	245	265	245	325	490	530
TRM SR BR 8W	50	10	150	200	210	210	300	400	420	420
	32	0	125	175	210	210	250	350	420	420
	14	-10	110	150	210	210	220	300	420	420
	-22	-30	85	115	175	210	170	230	350	420

**Additional options:** Fluoropolymer outer jacket, model TRM FP SR, , available for applications where resistance to corrosion and protection against mechanical abrasion are required.

Wattages from 3 watts per foot, up to 12 watts per foot are also available. Contact TRM for specifications.

## TEMPERATURE VS WATTS PER FOOT

PIPE TEMPERATURE (DEG C)	5 WATT CABLE	8 WATT CABLE
-20°C	11	13.4
-10°C	9	11.6
0°C	7	9.8
10°C	5	8
20°C	3.6	6
30°C	2.5	4.5
40°C	1.6	3.3
50°C	0.9	2.2
60°C	0.4	1.2



## CONTROLS AND GFI

TRM SR can function safely without the use of controls, but it is strongly recommended to utilize thermostats or controllers to maximize the efficiency of the cables while simultaneously minimizing electrical costs.

For further information, or for design assistance with controls and/or sensors that work in concert with our SR cable, please call TRM directly.

NEC 1999 requires the use of ground fault protection for heating cables. Circuit length depends on the breaker size being used and the start-up temperature. The above chart shows the maximum circuit length for a given breaker rating. To determine the number of circuits required for each pipe, divide the total cable (circuit) length by the maximum circuit length found in the chart. to the next higher number.

- The multiplier for power output (w/ft) for 5 W TRM BR type cables for 208VAC operation is .85
- The multiplier for power output (w/ft) for 8W TRM BR type cables for 208VAC operation is .89
- The heating circuit length calculations would also change for 208VAC operation, the multiplier is 0.92

PART NUMBER	DESCRIPTION
TRM-SR-BR-5-1	SR bulk cut to length cable, self regulating, 5 w/foot, 120V, polyolefin outer jacket
TRM-SR-BR-5-2	SR bulk cut to length cable, self regulating, 5 w/foot, 208/240V, polyolefin outer jacket
TRM-SR-BR-8-1	SR bulk cut to length cable, self regulating, 8 w/foot, 120V, polyolefin outer jacket
TRM-SR-BR-8-2	SR bulk cut to length cable, self regulating, 8 w/foot, 208/240V, polyolefin outer jacket

## WARRANTY

We believe in the superior quality of our TRM SR cable products. Our standard warranty is 2 years from the date of purchase. Contact us regarding extended warranty terms and conditions.

TRM is an industry leading, Canadian-owned, designer, and manufacturer of premium heating cable and systems in the commercial, industrial, and residential sectors.

